

Storm Data and Unusual Weather Phenomena - June 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
LAKE HURON				
OUTER SAGINAW BAY SW OF ALABASTER TO PORT AUSTIN MI TO INNER SAGINAW BAY COUNTY --- GRAVELLY SHOALS LIGHT [44.02, -83.54]				
	06/02/14 16:20 EST	0		Marine Thunderstorm Wind (MG 41 kt)
	06/02/14 16:20 EST	0		Source: C-MAN Station
PORT AUSTIN TO HARBOR BEACH MI COUNTY --- PORT HOPE [43.93, -82.72]				
	06/02/14 17:06 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	06/02/14 17:06 EST	0		Source: ASOS
HARBOR BEACH TO PORT SANILAC MI COUNTY --- HARBOR BEACH [43.85, -82.64]				
	06/02/14 17:12 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	06/02/14 17:12 EST	0		Source: C-MAN Station
PORT AUSTIN TO HARBOR BEACH MI COUNTY --- HARBOR BEACH [43.85, -82.64]				
	06/02/14 17:12 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	06/02/14 17:12 EST	0		Source: C-MAN Station
Thunderstorms moving through Saginaw Bay and southern Lake Huron produced wind gusts up to 47 mph.				
OUTER SAGINAW BAY SW OF ALABASTER TO PORT AUSTIN MI TO INNER SAGINAW BAY COUNTY --- GRAVELLY SHOALS LIGHT [44.02, -83.54]				
	06/17/14 12:00 EST	0		Marine Thunderstorm Wind (MG 35 kt)
	06/17/14 12:00 EST	0		Source: C-MAN Station
A thunderstorm moving through Saginaw Bay produced a 40 mph wind gust.				
LAKE ST CLAIR				
LAKE ST CLAIR (U.S. PORTION) COUNTY --- 7.0 SW NEW BALTIMORE [42.61, -82.83]				
	06/18/14 15:48 EST	0		Marine Thunderstorm Wind (MG 38 kt)
	06/18/14 15:48 EST	0		Source: ASOS
A thunderstorm moving through Lake St. Clair produced a 44 mph wind gust.				
MICHIGAN, East				
HURON COUNTY --- BAD AXE [43.80, -83.00]				
	06/02/14 16:45 EST	0		Thunderstorm Wind (EG 52 kt)
	06/02/14 16:45 EST	0		Source: Trained Spotter
Several large tree limbs and trees reported down.				
HURON COUNTY --- 0.7 N REDMAN [43.93, -82.83]				
	06/02/14 17:00 EST	50K		Thunderstorm Wind (EG 61 kt)
	06/02/14 17:00 EST	0		Source: Law Enforcement
Numerous trees and wires reported down. Some trees uprooted and fell onto houses and cars. A party store and barn roofs were also blown off.				
OAKLAND COUNTY --- 1.0 SW SOUTH LYON [42.46, -83.64]				
	06/02/14 18:00 EST	0		Thunderstorm Wind (EG 50 kt)
	06/02/14 18:00 EST	0		Source: Trained Spotter
A large tree limb was blown down, along with other localized tree damage.				

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A moist and unstable air mass produced a couple of severe storms.				
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SAGINAW COUNTY --- 1.2 SE BRANT [43.24, -84.21], 1.2 SE ST CHARLES [43.29, -84.13]	06/11/14 16:55 EST		0.25M	Tornado (EF1, L: 5.30 mi , W: 300 yd)
	06/11/14 17:08 EST		0	Source: NWS Storm Survey

U.S. National Weather Service meteorologists surveyed a tornado damage path near St . Charles Michigan. The damage was consistent with EF-1 tornado damage. Estimated peak wind values were 90-100 mph. Initial EF-0 damage was observed near the intersections of Marion and Raucholz roads, approximately 6 miles southwest of St. Charles. The Damage consisted of mainly tree limbs. Damage intensity increased to EF-1 along Fordney road between Brant and Fergus roads and continued to the vicinity of Ring and Oakley roads. Several large trees were uprooted and many more were damaged severely, some of which fell on adjacent dwellings. Some minor to moderate structural damage was also observed, consisting mainly of partially lost roofs, blown out garage doors and destruction of out buildings. Additional EF-0 damage was observed across M-52 north of Ring road and continued to near Sharon road on the far south side of St Charles.

On the evening of June 11th, 2014, a supercell thunderstorm tracked along a warm front in central lower Michigan. The supercell thunderstorm spawned a tornado 6 miles southwest of St. Charles. The tornado intensified to EF-1 along Fordney Road between Brant and Fergus Roads. Several large trees were uprooted, along with minor to moderate structural damage.

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LENAWEE COUNTY --- 1.4 N CLAYTON [41.89, -84.23]	06/18/14 13:05 EST		0	Hail (0.75 in)
	06/18/14 13:05 EST		0	Source: SHAVE Project
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LENAWEE COUNTY --- 1.2 W CADMUS [41.87, -84.19]	06/18/14 13:40 EST		0	Hail (0.75 in)
	06/18/14 13:40 EST		0	Source: SHAVE Project
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SHIAWASSEE COUNTY --- 0.9 NW SHAFTSBURG [42.81, -84.31]	06/18/14 13:58 EST		0	Thunderstorm Wind (EG 52 kt)
	06/18/14 13:58 EST		0	Source: 911 Call Center

Tree reported down on road.

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LENAWEE COUNTY --- 0.7 S ADRIAN LENAWE ARPT [41.86, -84.07]	06/18/14 14:00 EST		0	Thunderstorm Wind (EG 61 kt)
	06/18/14 14:00 EST		0	Source: SHAVE Project

Large trees uprooted.

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LENAWEE COUNTY --- 0.9 SW ADRIAN [41.89, -84.04]	06/18/14 14:00 EST		0	Hail (1.00 in)
	06/18/14 14:00 EST		0	Source: SHAVE Project

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SHIAWASSEE COUNTY --- 0.9 NE BENNINGTON [42.94, -84.24]	06/18/14 14:00 EST		0	Thunderstorm Wind (EG 52 kt)
	06/18/14 14:00 EST		0	Source: 911 Call Center

Tree reported down on road.

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LENAWEE COUNTY --- 0.5 W ADRIAN [41.90, -84.04]	06/18/14 14:14 EST		0	Thunderstorm Wind (MG 70 kt)
	06/18/14 14:14 EST		0	Source: ASOS

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LENAWEE COUNTY --- ADRIAN LENAWE ARPT [41.87, -84.07]	06/18/14 14:14 EST		0	Thunderstorm Wind (EG 56 kt)
	06/18/14 14:14 EST		0	Source: Trained Spotter

Trees uprooted.

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LENAWEE COUNTY --- 0.9 NE ADRIAN [41.91, -84.02]				

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	06/18/14 14:15 EST		0	Thunderstorm Wind (EG 54 kt)
	06/18/14 14:15 EST		0	Source: Public
Tree reported down on road.				
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LENAWEE COUNTY --- 0.5 W ADRIAN [41.90, -84.04]				
	06/18/14 14:25 EST		0	Hail (0.75 in)
	06/18/14 14:25 EST		0	Source: Law Enforcement
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LIVINGSTON COUNTY --- 1.2 NE FLEMING [42.61, -83.95]				
	06/18/14 14:28 EST		2K	Thunderstorm Wind (EG 50 kt)
	06/18/14 14:28 EST		0	Source: Amateur Radio
Power lines reported down.				
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LENAWEE COUNTY --- 2.1 NNW DEERFIELD [41.91, -83.79]				
	06/18/14 14:30 EST		0	Hail (0.88 in)
	06/18/14 14:30 EST		0	Source: SHAVE Project
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LENAWEE COUNTY --- 2.9 NW DEERFIELD [41.91, -83.82]				
	06/18/14 14:30 EST		0	Hail (0.75 in)
	06/18/14 14:30 EST		0	Source: SHAVE Project
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LIVINGSTON COUNTY --- 2.1 ESE CHILSON [42.52, -83.81]				
	06/18/14 14:43 EST		0	Thunderstorm Wind (EG 52 kt)
	06/18/14 14:43 EST		0	Source: Amateur Radio
Tree reported down on road.				
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GENESEE COUNTY --- 0.5 E LAKE FENTON [42.85, -83.72]				
	06/18/14 14:47 EST		0	Thunderstorm Wind (EG 50 kt)
	06/18/14 14:47 EST		0	Source: Emergency Manager
Power lines reported down.				
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GENESEE COUNTY --- 2.5 SW GRAND BLANC [42.90, -83.66]				
	06/18/14 14:49 EST		5K	Thunderstorm Wind (EG 52 kt)
	06/18/14 14:49 EST		0	Source: Emergency Manager
Multiple power lines reported down.				
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GENESEE COUNTY --- 0.7 N GRAND BLANC [42.93, -83.62]				
	06/18/14 14:50 EST		0	Thunderstorm Wind (EG 50 kt)
	06/18/14 14:50 EST		0	Source: Trained Spotter
Large tree limb reported down.				
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GENESEE COUNTY --- 0.7 S BURTON [42.97, -83.63]				
	06/18/14 14:56 EST		2K	Thunderstorm Wind (EG 50 kt)
	06/18/14 14:56 EST		0	Source: Emergency Manager
Power line reported down.				
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MONROE COUNTY --- 0.9 NW DUNDEE [41.96, -83.66]				
	06/18/14 15:05 EST		0	Thunderstorm Wind (EG 54 kt)
	06/18/14 15:05 EST		0	Source: Public
Trees reported down.				
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WASHTENAW COUNTY --- 1.7 WNW (ARB)ANN ARBOR MUNI [42.23, -83.78]				

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	06/18/14 15:10 EST		0	Thunderstorm Wind (EG 52 kt)
	06/18/14 15:10 EST		0	Source: Trained Spotter

One foot diameter tree reported down.

OAKLAND COUNTY --- 0.5 E AUBURN HGTS [42.63, -83.21]

06/18/14 15:25 EST		0	Thunderstorm Wind (EG 52 kt)
06/18/14 15:25 EST		0	Source: Trained Spotter

One foot diameter tree limb down on road.

OAKLAND COUNTY --- 0.9 NE TROT BIG BEAVER ARPT [42.58, -83.11]

06/18/14 15:25 EST		0.50K	Thunderstorm Wind (EG 52 kt)
06/18/14 15:25 EST		0	Source: Trained Spotter

A spotter estimated a 60 mph thunderstorm wind gust which caused siding to come off a house.

OAKLAND COUNTY --- 0.5 E CLAWSON [42.53, -83.12]

06/18/14 15:27 EST		0	Thunderstorm Wind (EG 50 kt)
06/18/14 15:27 EST		0	Source: Trained Spotter

Eight inch diameter tree snapped at base.

OAKLAND COUNTY --- 1.0 E TROT BIG BEAVER ARPT [42.57, -83.10]

06/18/14 15:27 EST		0	Thunderstorm Wind (EG 50 kt)
06/18/14 15:27 EST		0	Source: Trained Spotter

Four to eight inch diameter tree limbs reported down.

OAKLAND COUNTY --- 1.2 SE TROY [42.59, -83.13]

06/18/14 15:27 EST		10K	Thunderstorm Wind (EG 52 kt)
06/18/14 15:27 EST		0	Source: Law Enforcement

Tree reported blown down onto a house.

WASHTENAW COUNTY --- 2.8 S GEDDES [42.23, -83.67]

06/18/14 15:30 EST	1	0	Lightning
06/18/14 15:30 EST		0	Source: Newspaper

Direct Fatalities: M32UT

MACOMB COUNTY --- 1.7 SW STERLING HGTS [42.55, -83.05]

06/18/14 15:37 EST		2K	Thunderstorm Wind (EG 50 kt)
06/18/14 15:37 EST		0	Source: Trained Spotter

Power lines reported down.

MACOMB COUNTY --- 2.0 W ROSEVILLE [42.50, -82.94]

06/18/14 15:48 EST		0	Thunderstorm Wind (EG 50 kt)
06/18/14 15:48 EST		0	Source: Trained Spotter

Six inch diameter tree reported down.

Southeast Michigan saw active weather in both the morning and afternoon on Wednesday, June 18th, with the afternoon convection turning severe. Previous convection during the morning hours had moved to the east and there was enough instability for the thunderstorm complex over southern Wisconsin and northern Illinois to hold together as it crossed Lake Michigan and into Lower Michigan. This line of storms raced across the state bringing winds, heavy rain, and frequent lightning with numerous reports of trees down, power outages, and local flooding.